

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Rev. 12-2001)		Attorney's Docket Number TIP0016 US U.S. Application No. (if known, see 37 CFR 1.5)
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		10/518525
International Application No. PCT/EP2003/050280	International Filing Date 30 June 2003	Priority Date Claimed 1 July 2002
Title of Invention New Mutational Profiles In HIV-1 Reverse Transcriptase Correlated With Phenotypic Drug Resistance		
Applicant(s) for DO/EO/US Hilde Azijn, Marie-Pierre De Bethune, Johan Hendrika Jozef Vingerhoets		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submision must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau), as well as the Published Application No. WO 2004/003223 A2
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) has been filed in the PCT Request (Rule 4.17 (iv)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A **FIRST** preliminary amendment.
14. A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. A substitute specification.
16. A change of power of attorney and/or address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: Certificate Under 37 CFR 3.73 (b); Power of Attorney; PCT Notification of the Recording of a Change; Return Receipt Postcard & Express Mail Certificate

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/518525		INTERNATIONAL APPLICATION NO. PCT/EP2003/050280		ATTORNEY'S DOCKET NUMBER TIP0016 US	
21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 TOTAL OF ABOVE CALCULATIONS = \$1000.00					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
17 - 100 =	/50 =			x \$250.00	\$
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		\$
Total claims	10 - 20 =	0	x \$50.00		\$
Independent claims	10 - 3 =	7	x \$200.00		\$1,400.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	
TOTAL OF ABOVE CALCULATIONS = \$1,400.00					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					
SUBTOTAL = \$2,400.00					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					
TOTAL NATIONAL FEE = \$2,400.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					
TOTAL FEES ENCLOSED = \$2,400.00					
<input type="checkbox"/> Amount to be refunded: <input type="checkbox"/> Amount to be charged					
<input type="checkbox"/> \$ \$2,400.00					
a. <input type="checkbox"/> A check in the amount of \$ <u>10-0750 / TIP0016 US/AGK</u> to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>2,400.00</u> in the amount of \$ <u>2,400.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>10-0750</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Philip S. Johnson, Esq. Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003 USA					
 SIGNATURE Alana G. Kriegsman NAME 41,747 REGISTRATION NUMBER					

10/518525

DT12 Rec'd PCT/PTO 22 DEC 2004

Express Mail Label No. EV 488 942 047 US
Docket No. TIP-0016-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: AZIJN, Hilde et al.

For: NEW MUTATIONAL PROFILES IN HIV-1 REVERSE TRANSCRIPTASE
CORRELATED WITH PHENOTYPIC DRUG RESISTANCE

Express Mail Certificate

"Express Mail" mailing number: **EV 488 942 047 US**

Date of Deposit: **December 22, 2004**

I hereby certify that this entry into the National Phase pursuant to 35 USC 371 contains complete application:

<input checked="" type="checkbox"/>	Express Mail Certificate	(1 page)
<input checked="" type="checkbox"/>	Return Receipt Postcard	(1 page)
<input checked="" type="checkbox"/>	PCT FORM 1390 Transmittal	(2 pages & copy)
<input checked="" type="checkbox"/>	Copy of International Application as filed	(17 pages)
<input checked="" type="checkbox"/>	Power of Attorney	(1 page)
<input checked="" type="checkbox"/>	Certificate under 37 CFR 3.73(b)	(5 pages)
<input checked="" type="checkbox"/>	Preliminary Amendment	(6 pages)
<input checked="" type="checkbox"/>	PCT Notification of the Recording	(1 page)
	Of a Change	

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee; service under 37 CFR 1.10 on the date indicated above is addressed to the Mail Stop: PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450..

Laurie Phillips
(Typed or printed name of person mailing paper or fee)
Laurie Phillips
(Signature of person mailing paper or fee)